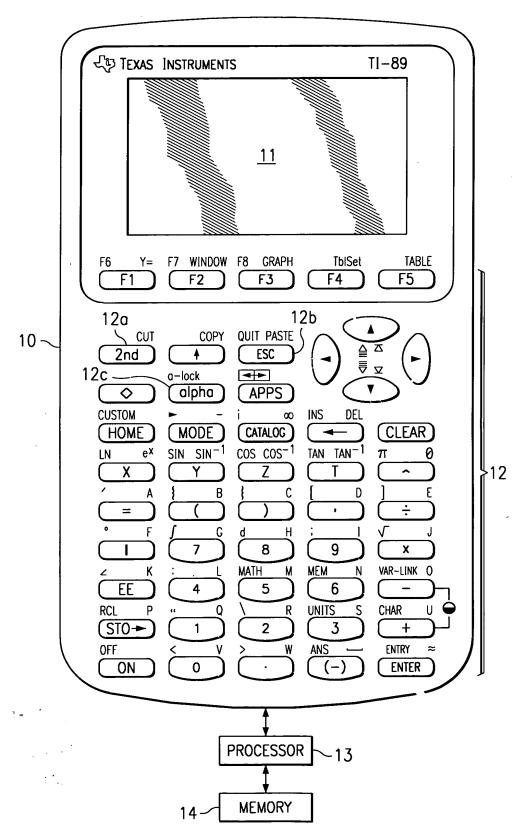


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## FIG. 1 (PRIOR ART)



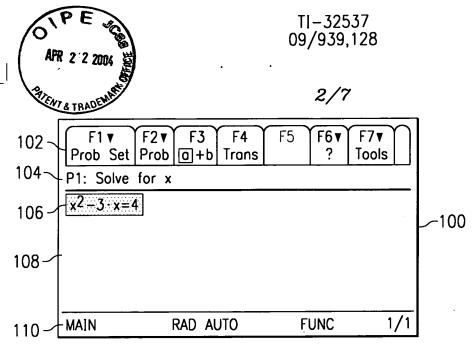


FIG. 2a

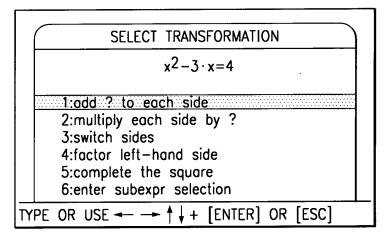


FIG. 2b

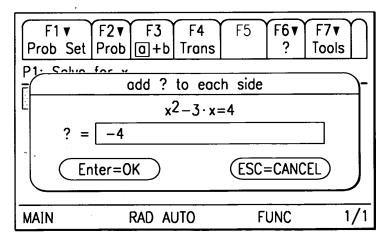


FIG. 2c



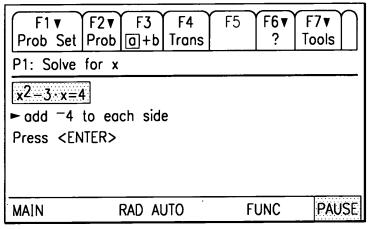


FIG. 2d

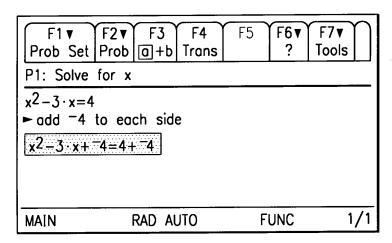


FIG. 2e

F1 ▼ Prob Set P1: Solve	F2▼ F3 F4 Prob a+b Trans	F5	F6▼ ?	F7▼ Tools
$x^2-3 \cdot x=4$ $\rightarrow \text{ add } -4$ $x^2-3 \cdot x+4$ $\rightarrow \text{ simplify}$ Press <en< td=""><td>to each side</td><td></td><td></td><td></td></en<>	to each side			
MAIN	RAD AUTO	F	UNC	PAUSE

FIG. 2f



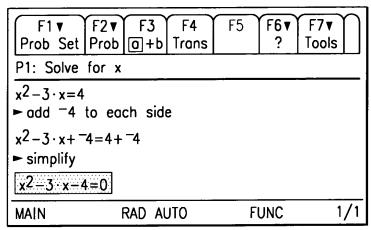


FIG. 2g

	SELECT TRANSFORMATION	
	$x^2-3\cdot x-4=0$	
	1:add ? to each side 2:multiply each side by ? 3:switch sides	
	4:factor left—hand side 5:quadratic formula 6:enter subexpr selection	
MAIN	RAD AUTO FUNC 1/	1

FIG. 2h

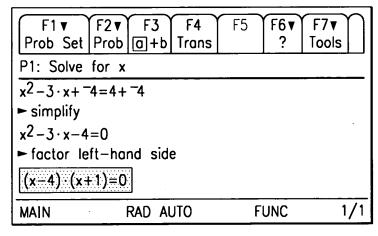


FIG. 2i



	SELECT TRANSFORMA	TION	
	$(x-4)\cdot(x+1)=0$		
	1:add ? to each side 2:multiply each side by ? 3:switch sides		
	4:A·B=0 → A=0 or B=0 5:distribute multiplication 6:(A±B)·C → A·C ± B·C 7↓A·(B±C) → A·B ± A·C		
MAIN	RAD AUTO	FUNC	1/1

FIG. 2j

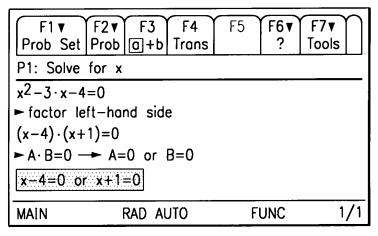


FIG. 2k

```
SELECT TRANSFORMATION

x-4=0 or x+1=0

1:solve linear equation
2:enter subexpr selection

TYPE OR USE 

† 
† 
| ENTER] OR [ESC]
```

FIG. 21



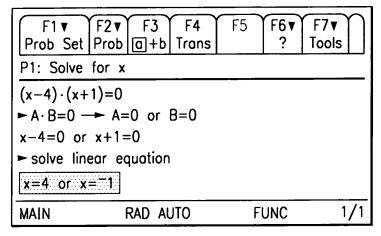


FIG. 2m

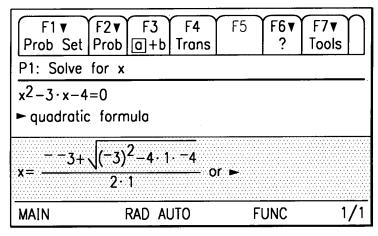


FIG. 2n

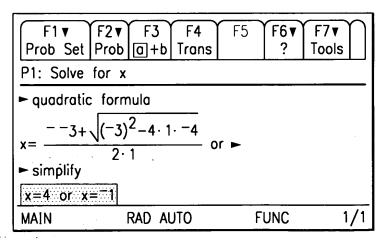


FIG. 20



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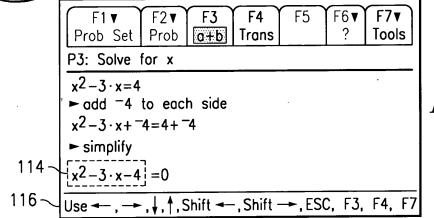
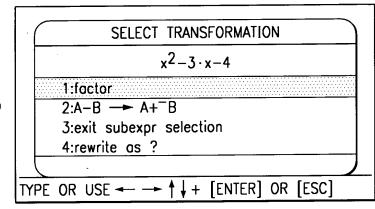


FIG. 3a

FIG. 3b



```
F2▼
                    F3
                           F4
                                   F5
                                        [F6▼]
                                              F7▼
   F1 ▼
                                               Tools
Prob Set | Prob
                   a+b
                          Trans
P3: Solve for x
x^2-3 \cdot x=4
► add -4 to each side
x^2 - 3 \cdot x + ^-4 = 4 + ^-4
➤ simplify
                                                 3/3
                                    FUNC
MAIN
                RAD AUTO
```

FIG. 3c

FIG. 3d

